

Computer Based Examination System

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| Exported On * | 2023/09/04 16:23:49 |
| Title * | Question Paper Answer Key |
| OES Exam * | MATGPSC04202304 / Assistant District Educational Inspectors/ Teacher Grade -I(MATHEMATICS)/ Completed / 2023-09-03 |

| | | |
|---|-----------------------------|---|
| 1 | Question Description | In a Throw ball tournament, there are 28 matches. If each team plays one match with every other team, then the number of teams is |
| | A | 7 |
| | B | 8 |
| | C | 4 |
| | D | 11 |
| | E | None of the above |
| | Correct Answer | B |
| | Marks | 1 |

2

Question Description

If $A = \{1, 2, 2, 3, 4, 3, 5, 9\}$, $B = \{\{1, 2, \{3, 12\}, 0, \{8, 4\}\}\}$ and $C = \{\emptyset\}$ then which of the following statement is true?

A $|A|=6, |B|=5, |C|=0$ **B** $|A|=8, |B|=5, |C|=1$ **C** $|A|=6, |B|=4, |C|=1$ **D** $|A|=8, |B|=9, |C|=5$ **E**

None of the above

Correct Answer

C

Marks

1

3

Question Description

The general solution of the differential equation $\frac{dx}{dy} + \frac{y}{x} = xy^2$ is

- a. $x - \frac{1}{xy} = K$
- b. $x^2 - \frac{1}{xy} = K$
- c. $x + \frac{1}{xy} = K$
- d. $x^3 - \frac{1}{xy} = K$

A

a

B

b

C

c

D

d

E

None of the above

Correct Answer

C

Marks

1

4

Question Description

Domain and Range of the real valued function $f(x) = \frac{1}{x}$ for all $x < 3$ are respectively are

- a. $(-\infty, 3), (-\infty, 0)$
- b. $(-\infty, 3) - \{0\}, (-\infty, 0)$
- c. $(-\infty, 3), (-\infty, 0) \cup \left(\frac{1}{3}, \infty\right)$
- d. $(-\infty, 3) - \{0\}, (-\infty, 0) \cup \left(\frac{1}{3}, \infty\right)$

A

a

B

b

C

c

D

d

E

None of the above

Correct Answer

D

Marks

1

5

Question Description

The two lines $lx + my + n = 0$ and $px + qy + r = 0$ are perpendicular if

- a. $lp + mq = 0$
- b. $lm + pq = 0$
- c. $lq = mp$
- d. $lq - mp = 0$

A

a

B

b

C

c

D

d

E

None of the above

Correct Answer

A

Marks

1

6

Question Description

If $f: \mathbb{R} \rightarrow \mathbb{R}$ be a real valued function defined by $f(x) = 3x^2 + 1$ and $g: \mathbb{R} \rightarrow \mathbb{R}$ be a real valued function defined $g(x) = \frac{x}{x^2+1}$ then $(g \circ f)(x)$ is

- a. $\frac{3x^2+1}{6x^4+3x^2+1}$
b. $\frac{3x^2+1}{6x^4+3x^2+2}$
c. $\frac{3x^2+1}{9x^4+6x^2+1}$
d. $\frac{3x^2+1}{9x^4+6x^2+2}$

A

a

B

b

C

c

D

d

E

None of the above

Correct Answer

D

Marks

1

7

| | |
|-----------------------------|--|
| Question Description | If set A has 4 elements, then number of elements in $A \times A \times A \times A$ are |
| A | 16 |
| B | 20 |
| C | 1024 |
| D | 625 |
| E | None of the above |
| Correct Answer | C |
| Marks | 1 |

8

| | |
|-----------------------------|---|
| Question Description | Algebraic sum of the deviations of the dataset 12,14,16,18,20 from is 16 is |
| A | 15 |
| B | 16 |
| C | 0 |
| D | 12 |
| E | None of the above |
| Correct Answer | C |
| Marks | 1 |

9

| | |
|-----------------------------|---|
| Question Description | First three test score of a student are 70,80,50 . If his score on the fourth test result his average test score to 60, his score on the fourth test is |
| A | 75 |
| B | 60 |
| C | 40 |
| D | 45 |
| E | None of the above |
| Correct Answer | C |
| Marks | 1 |

10

Question DescriptionThe general solution of the differential equation $x dx = y(x^2 + y^2 - 1)dy$ is

- a. $\ln(x^2 + y^2) - \frac{y^2}{2} = K$
- b. $\ln\sqrt{(x^2 + y^2)} - y^2 = K$
- c. $\ln(x^2 + y^2) - y^2 = K$
- d. $\ln(x^2 - y^2) + y^2 = K$

A

a

B

b

C

c

D

d

E

None of the above

Correct Answer

C

Marks

1

| | | |
|----|-----------------------------|---|
| 11 | Question Description | If R is a relation defined on set of natural numbers defined by aRb if and only if $3a+2b=27$, then $R=$ |
| | A | $\{(2,1), (9,3), (6,5), (3,7)\}$ |
| | B | $\{(1,12), (3,9), (5,6), (7,3), (9,0)\}$ |
| | C | $\{(1,12), (3,9), (5,6), (7,3)\}$ |
| | D | $\{(1,1), (3,5), (6,5), (9,0)\}$ |
| | E | None of the above |
| | Correct Answer | C |
| | Marks | 1 |

| | | |
|----|-----------------------------|--|
| 12 | Question Description | If R is a relation on a set $A=\{1,2,3,4\}$ given by $R=\{(2,2)\}$, then R is |
| | A | Reflexive and transitive |
| | B | Reflexive and symmetric |
| | C | Symmetric and transitive |
| | D | Reflexive and asymmetric |
| | E | None of the above |
| | Correct Answer | C |
| | Marks | 1 |

13

| | |
|-----------------------------|---|
| Question Description | The area of a triangle with vertices $(-2,-3)$, $(3,2)$ and $(-1,-8)$ is |
| A | 5 sq. units |
| B | 15 sq. units |
| C | 12 sq. units |
| D | 18 sq. units |
| E | None of the above |
| Correct Answer | B |
| Marks | 1 |

14

Question Description

The standard deviation of the observations 8,9,10,11,12 is

- a. 2
- b. $\sqrt{2}$
- c. 10
- d. $\sqrt{12}$

A

a

B

b

C

c

D

d

E

None of the above

Correct Answer

B

Marks

1

| | | |
|----|-----------------------------|--|
| 15 | Question Description | For a moderately asymmetrical distribution if mean and median are 43 and 45.5 respectively. Then value of Mode is |
| | A | 43.83 |
| | B | 50.5 |
| | C | 53 |
| | D | 59 |
| | E | None of the above |
| | Correct Answer | B |
| | Marks | 1 |
| 16 | Question Description | A circular plate of radius 6cm is heated. Due to expansion, radius of the plate increases at the rate of 0.06 cm/sec . The rate at which its area is increasing when its radius is 6.2cm is |
| | A | $6.05\pi\text{ cm}^2/\text{sec}$ |
| | B | $7.05\pi\text{ cm}^2/\text{sec}$ |
| | C | $0.74\pi\text{ cm}^2/\text{sec}$ |
| | D | $8.04\pi\text{ cm}^2/\text{sec}$ |
| | E | None of the above |
| | Correct Answer | C |
| | Marks | 1 |

17

Question Description

If $A = \begin{bmatrix} 0 & 1 & 0 \\ 0 & 0 & 1 \\ 1 & 0 & 0 \end{bmatrix}$ then $A^4 =$

- a. A
- b. I
- c. $4A$
- d. $3A$

A

a

B

b

C

c

D

d

E

None of the above

Correct Answer

A

Marks

1

18

Question Description

If $f(x) = 1 + nx + \frac{n(n-1)}{2!}x^2 + \frac{n(n-1)(n-2)}{3!}x^3 + \dots + x^n$ then $f''(1) =$

a. 2^n

b. $n(n-1)2^n$

c. $(n-1)2^{n-1}$

d. $n(n-1)2^{n-1}$

A

a

B

b

C

c

D

d

E

None of the above

Correct Answer

D

Marks

1

19

Question Description

If the vectors $2i + 2j - 2k$, $5i + \mu j + k$ and $-i + 2j + 2k$ are coplanar, then the value of μ is

- a. 13
- b. 22
- c. 23
- d. 17

A

a

B

b

C

c

D

d

E

None of the above

Correct Answer

C

Marks

1

20

Question Description

The distance 's' in kilometers travelled by a particle in 't' seconds is given by

$$s = \frac{t^3}{3} - 9t + \frac{2}{3}. \text{ The acceleration when the particle comes to rest is}$$

- a. $6km^2/sec$
- b. $18km^2/sec$
- c. $12km^2/sec$
- d. $14km^2/sec$

A

a

B

b

C

c

D

d

E

None of the above

Correct Answer

A

Marks

1

21

Question Description

If $\begin{bmatrix} 1 & 3-k \\ 2-k & 2 \end{bmatrix}$ is a singular matrix, then $k^2 - 5k =$

- a. 6
- b. -6
- c. 4
- d. -4

A

a

B

b

C

c

D

d

E

None of the above

Correct Answer

D

Marks

1

22

Question Description

If for any positive number a , $a^x + a^y = a^{x+y}$ then $\frac{dy}{dx} =$

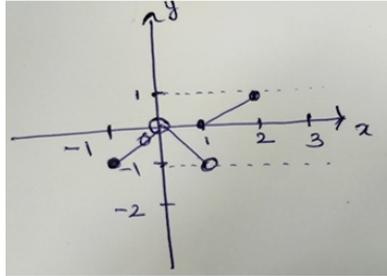
- a. a^{x-y}
- b. a^{y-x}
- c. $-a^{x-y}$
- d. $-a^{y-x}$

A a**B** b**C** c**D** d**E** None of the above**Correct Answer** D**Marks** 1

23

Question Description

Which of the following statements about the function $f(x)$ graphed are false?



- A. $\lim_{x \rightarrow 0} f(x)$ exists
- B. $\lim_{x \rightarrow 0} f(x) = 1$
- C. $\lim_{x \rightarrow 1} f(x) = 1$
- D. All the above

A

B

B

D

C

A and C

D

B and C

E

None of the above

Correct Answer

D

Marks

1

| | | |
|----|-----------------------------|--|
| 24 | Question Description | Total number of ways the word 'HOLIDAY' can be arranged so that the letter 'I' will always come to the left of the letter 'L' is |
| | A | 720 |
| | B | 2250 |
| | C | 2520 |
| | D | 1520 |
| | E | None of the above |
| | Correct Answer | C |
| | Marks | 1 |

| | | |
|----|-----------------------------|---|
| 25 | Question Description | The coefficient of x^4y^2 in the expression $(2x^2y + 3)^5$ is equal to |
| | A | 108 |
| | B | 40 |
| | C | 1080 |
| | D | 118 |
| | E | None of the above |
| | Correct Answer | C |
| | Marks | 1 |

26

Question Description

$$\lim_{x \rightarrow 0} \left(\frac{\tan x}{\sqrt{2x+4}-4} \right) =$$

- a. 2
- b. 3
- c. 4
- d. 6

A

a

B

b

C

c

D

d

E

None of the above

Correct Answer

A

Marks

1

27

Question Description

If θ is the angle between two unit vectors \bar{u} and \bar{v} , then $\sin^2\left(\frac{\theta}{2}\right) =$

- a. $|\bar{u} - \bar{v}|$
- b. $|\bar{u} + \bar{v}|$
- c. $\frac{|\bar{u} - \bar{v}|^2}{2}$
- d. $\frac{|\bar{u} - \bar{v}|^2}{4}$

A

a

B

b

C

c

D

d

E

None of the above

Correct Answer

D

Marks

1

28

Question Description

If the parabola $x^2 = 4ay$ passes through the point $(2, 1)$, the length of the latus rectum is

- a. 1
- b. 4
- c. 2
- d. 8

A

a

B

b

C

c

D

d

E

None of the above

Correct Answer

B

Marks

1

29

Question Description

$$\int_1^5 \frac{2\sqrt{6-t}}{2\sqrt{t}+2\sqrt{6-t}} dt =$$

- a. 4
- b. 3
- c. 2
- d. 6

A

a

B

b

C

c

D

d

E

None of the above

Correct Answer

C

Marks

1

| | | |
|----|-----------------------------|--|
| 30 | Question Description | If A is invertible 3×3 matrix such that $ A =4$, then $ A \times \text{Adjoint}(A) =?$ |
| | A | 16 |
| | B | 4 |
| | C | 64 |
| | D | 256 |
| | E | None of the above |
| | Correct Answer | C |
| | Marks | 1 |

| | | |
|----|-----------------------------|--|
| 31 | Question Description | Students are best able to develop fluency with technology by _____ |
| | A | Answering multiple-choice test questions about an academic topic |
| | B | Completing online worksheets about an academic topic |
| | C | Answering end-of-the-chapter questions in academic textbooks |
| | D | Performing technology-based activities about an academic topic |
| | E | None of the above |
| | Correct Answer | D |
| | Marks | 1 |

32

Question Description

Which of the following statements about short-term memory is true?

- i . Its storage capacity is limited.
- ii. Its storage capacity is unlimited.
- ii. Its maximum duration is 20 to 30 seconds.

A

only i

B

i and ii

C

i and iii

D

i, ii and iii

E

None of the above

Correct Answer

C

Marks

1

| | | |
|----|-----------------------------|---|
| 33 | Question Description | Educational objectives into how many domains? |
| | A | Eight |
| | B | Four |
| | C | Three |
| | D | Five |
| | E | None of the above |
| | Correct Answer | C |
| | Marks | 1 |

| | | |
|----|-----------------------------|---|
| 34 | Question Description | In the context of classroom teaching 'Smiles or Frowns' when used as non-verbal cues, tend to perform which of the following basic functions? |
| | A | Contradicting the verbal cue function. |
| | B | Regulating the verbal cue function. |
| | C | Substitute function. |
| | D | Supplement function. |
| | E | None of the above |
| | Correct Answer | C |
| | Marks | 1 |

| | | |
|----|-----------------------------|-----------------------------------|
| 35 | Question Description | Dyslexia is associated with _____ |
| | A | Writing disorder |
| | B | Reading disorder |
| | C | Interpreting Graphics disorder |
| | D | Mental Disorder |
| | E | None of the above |
| | Correct Answer | B |
| | Marks | 1 |

| | | |
|----|-----------------------------|--|
| 36 | Question Description | The type of grading in which grades are assigned according to cut-off levels decided before the start of the program is: |
| | A | relative grading |
| | B | direct grading |
| | C | indirect grading |
| | D | absolute grading |
| | E | None of the above |
| | Correct Answer | D |
| | Marks | 1 |

37

| | |
|-----------------------------|--|
| Question Description | In middle school, family's role as an agent for the socialisation of children: |
| A | becomes redundant. |
| B | declines in comparison to early childhood years. |
| C | rises in comparison to the early years of childhood. |
| D | continues to be just as crucial as it was throughout early childhood years. |
| E | None of the above |
| Correct Answer | D |
| Marks | 1 |

38

| | |
|-----------------------------|---|
| Question Description | Assertion (A): Rubrics are not meant to be a surprise. Reason (R): Students should not have a copy of rubrics to be used. Choose the correct answer from the following code: |
| A | Both (A) and (R) are true, and (R) is the correct explanation of (A). |
| B | Both (A) and (R) are true, but (R) is not the correct explanation of (A). |
| C | (A) is true, but (R) is false. |
| D | (A) is false, but (R) is true. |
| E | None of the above |
| Correct Answer | B |
| Marks | 1 |

| | | |
|----|-----------------------------|--|
| 39 | Question Description | According to _____ the main criteria of domination of a caste system are Economic strength, Political power, Ritual purity and Numeric strength. |
| | A | Talcott |
| | B | M.N.Srinivas |
| | C | Davis |
| | D | Piaget |
| | E | None of the above |
| | Correct Answer | B |
| | Marks | 1 |

| | | |
|----|-----------------------------|---|
| 40 | Question Description | In terms of evaluation techniques, which of the following statement best represents "Summative Evaluation"? |
| | A | The teacher clarifies the doubts of the students in the class itself. |
| | B | A teacher awards grades to the students after having transacted the course work. |
| | C | The teacher gives feedback to the students while they participate in the classroom. |
| | D | The teacher uses a question-and-answer session during feedback to increase the learner's motivation. |
| | E | None of the above |
| | Correct Answer | B |
| | Marks | 1 |

41

Question Description

A collection of a student's work in an area demonstrating progress, self-reflection, and achievement is known as

A

assessment

B

judgement

C

portfolio

D

cumulative record

E

None of the above

Correct Answer

C

Marks

1

42

Question Description

From the list given below identify the learner characteristics which would facilitate teaching- learning system to become effective.
Choose the correct code to indicate your answer.

- A. Aptitude of the learner.
- B. Learner's stage of development.
- C. Learner's religious affiliation.
- D. Learners food habits and hobbies.
- E. Prior experience of learner.
- F. Learners family lineage.

Codes:

A

A, B and C

B

A,C and D

C

B,C and F

D

D E and F

E

None of the above

Correct Answer

B

Marks

1

43

| | |
|-----------------------------|--|
| Question Description | As per Edgar dale's cone of experience, which of the following leads to more learning. |
| A | Dramatic Experiences |
| B | Visual symbols |
| C | Direct purposeful experience |
| D | Verbal symbols |
| E | None of the above |
| Correct Answer | C |
| Marks | 1 |

| | | |
|----|-----------------------------|---|
| 44 | Question Description | A pragmatic educational philosophy would believe that |
| | A | The teacher is the sole source of all learning. |
| | B | The learner is solely responsible for their education. |
| | C | The environment of place, time, and circumstances affects all learning. |
| | D | The process of learning involves interaction between the teacher and the student. |
| | E | None of the above |
| | Correct Answer | C |
| | Marks | 1 |

| | | |
|----|-----------------------------|---|
| 45 | Question Description | According to the Indian constitution Article 29, Article 30 and Article 31 comes under_____ |
| | A | Right of Equality |
| | B | Right of Freedom |
| | C | Right to freedom of religion |
| | D | Cultural and Educational rights |
| | E | None of the above |
| | Correct Answer | D |
| | Marks | 1 |

| | | |
|----|-----------------------------|--|
| 46 | Question Description | Following attributes would correctly define learning are _____ |
| | A | Understanding, imagination and workmanship |
| | B | Change of behaviour, practice and experience |
| | C | Belief, creativity, and endurance |
| | D | Intuition, intelligence and memorisation |
| | E | None of the above |
| | Correct Answer | C |
| | Marks | 1 |

| | | |
|----|-----------------------------|---|
| 47 | Question Description | One of the following is NOT a characteristic of a mentally retarded student _____ |
| | A | Delayed response |
| | B | Deficit in social intelligence |
| | C | Delay in developmental milestones |
| | D | Ability to remember |
| | E | None of the above |
| | Correct Answer | D |
| | Marks | 1 |

48

| | |
|-----------------------------|---|
| Question Description | Teachers can encourage children to become intrinsically motivated |
| A | Using conditioning techniques. |
| B | Offering suitable rewards. |
| C | Through punishment. |
| D | By considering students' interests |
| E | None of the above |
| Correct Answer | D |
| Marks | 1 |

49

Question Description

Assertion (A): All classrooms communication is pre-decided by social and institutional demands

Reason (R): Positive educative actions should guide learners to acquire knowledge of social significance.

Choose the correct answer from the following code:

A

Both (A) and (R) are true, and (R) is the correct explanation of (A).

B

Both (A) and (R) are true, but (R) is not the correct explanation of (A).

C

(A) is true, but (R) is false.

D

(A) is false, but (R) is true

E

None of the above

Correct Answer

A

Marks

1

50

| | |
|-----------------------------|---|
| Question Description | The major goal of administering a diagnostic test is to determine |
| A | the precise type of remedial course required. |
| B | the general area of weakness in the performance of the class. |
| C | the root causes of academic difficulties. |
| D | the specific nature of the students' problems. |
| E | None of the above |
| Correct Answer | B |
| Marks | 1 |

51

Comprehension

Read the following passage and answer the questions given below: -

It is very difficult to say how far Gandhi was influenced by Marx. He himself claimed that he had read Marx. He wrote: 'I have to reduce myself to the level of the poorest of the poor. That is what I have been trying to do for the last fifty years or more, and so I claim to be a foremost communist.' The differences are clear on two points. First, while Gandhi rejected property as something antithetical to spiritual progress, Marx did not reject property as such, he merely rejected property based on exploitation and because it fosters inequality in society. Second major difference was around the problem of means. Though the entire tenor of Gandhi was against property, he too acquiesced in the institution, albeit reluctantly, by conceding one's right to earn property by lawful means.

Question Description

Gandhi's basic objection to property differed from that of Marx because unlike the latter, he saw it as being

A

he means of exploitation

B

the cause of social inequality

C

the hinderance to spiritual growth

D

earned by unlawful means

E

None of the above

Correct Answer

C

Marks

1

52

Comprehension

Read the following passage and answer the questions given below: -

It is very difficult to say how far Gandhi was influenced by Marx. He himself claimed that he had read Marx. He wrote: ‘I have to reduce myself to the level of the poorest of the poor. That is what I have been trying to do for the last fifty years or more, and so I claim to be a foremost communist.’ The differences are clear on two points. First, while Gandhi rejected property as something antithetical to spiritual progress, Marx did not reject property as such, he merely rejected property based on exploitation and because it fosters inequality in society. Second major difference was around the problem of means. Though the entire tenor of Gandhi was against property, he too acquiesced in the institution, albeit reluctantly, by conceding one’s right to earn property by lawful means.

Question Description

Identify the word or phrase from the passage that comes close to “give in to” or “quietly accept”

A

albeit reluctantly

B

fosters

C

acquiesced

D

conceding

E

None of the above

Correct Answer

C

Marks

1

53

Comprehension

Read the following passage and answer the questions given below: -

It is very difficult to say how far Gandhi was influenced by Marx. He himself claimed that he had read Marx. He wrote: ‘I have to reduce myself to the level of the poorest of the poor. That is what I have been trying to do for the last fifty years or more, and so I claim to be a foremost communist.’ The differences are clear on two points. First, while Gandhi rejected property as something antithetical to spiritual progress, Marx did not reject property as such, he merely rejected property based on exploitation and because it fosters inequality in society. Second major difference was around the problem of means. Though the entire tenor of Gandhi was against property, he too acquiesced in the institution, albeit reluctantly, by conceding one’s right to earn property by lawful means.

Question Description

Property being the means of exploitation and the basis for fostering inequality were the two criteria which defined Marx’s -----
---- to it.

A

perception

B

objection

C

obduration

D

reluctance

E

None of the above

Correct Answer

B

Marks

1

54

Comprehension

Read the following passage and answer the questions given below: -

It is very difficult to say how far Gandhi was influenced by Marx. He himself claimed that he had read Marx. He wrote: 'I have to reduce myself to the level of the poorest of the poor. That is what I have been trying to do for the last fifty years or more, and so I claim to be a foremost communist.' The differences are clear on two points. First, while Gandhi rejected property as something antithetical to spiritual progress, Marx did not reject property as such, he merely rejected property based on exploitation and because it fosters inequality in society. Second major difference was around the problem of means. Though the entire tenor of Gandhi was against property, he too acquiesced in the institution, albeit reluctantly, by conceding one's right to earn property by lawful means.

Question Description

Read the following statements and choose their logical cause-effect sequence apparent from the options given below: -

- (i) Subsequently Gandhi acquiesced in the institution, provided it was earned lawfully.
- (ii) Marx did not reject property per se but as the basis for exploitation and inequality.
- (iii) Gandhi had rejected property as antithetical to spiritual progress.
- (iv) Gandhi had read Marx and claimed to be a foremost communist.

A

(iii); (iv); (ii); (i)

B

(iii); (ii); (i); (iv)

C

(iii); (ii); (iv); (i)

D

(iv); (iii); (ii); (i)

E

None of the above

Correct Answer

A

Marks

1

Comprehension

Read the following passage and answer the questions given below: -

It is very difficult to say how far Gandhi was influenced by Marx. He himself claimed that he had read Marx. He wrote: ‘I have to reduce myself to the level of the poorest of the poor. That is what I have been trying to do for the last fifty years or more, and so I claim to be a foremost communist.’ The differences are clear on two points. First, while Gandhi rejected property as something antithetical to spiritual progress, Marx did not reject property as such, he merely rejected property based on exploitation and because it fosters inequality in society. Second major difference was around the problem of means. Though the entire tenor of Gandhi was against property, he too acquiesced in the institution, albeit reluctantly, by conceding one’s right to earn property by lawful means.

Question Description

Match the words from the passage with their near synonyms, using the options given below: -

- | | |
|-----------------|--------------|
| 1. foster | (A) approach |
| 2. antithetical | (B) nurture |
| 3. concede | (C) hesitant |
| 4. reluctant | (D) give in |
| | (E)opposed |

A 1-(B); 2- (E); 3- (D); 4- (A)

B 1-(E); 2- (C); 3- (B); 4- (A)

C 1-(D); 2- (A); 3- (B); 4- (C)

D 1-(B); 2- (E); 3- (D); 4- (C)

E None of the above

Correct Answer D

Marks 1

56

| | |
|-----------------------------|--|
| Question Description | Which Indian state has announced the initiation of 'Project Rail' to ensure quality education? |
| A | Jharkhand |
| B | Karnataka |
| C | Nagaland |
| D | Telangana |
| E | None of the above |
| Correct Answer | A |
| Marks | 1 |

| | | |
|----|-----------------------------|---|
| 57 | Question Description | In which city was the GST Bhawan inaugurated? |
| | A | Bishalgarh |
| | B | Udaipur |
| | C | Agartala |
| | D | Bhubaneswar |
| | E | None of the above |
| | Correct Answer | C |
| | Marks | 1 |

| | | |
|----|-----------------------------|--|
| 58 | Question Description | On which date is World Wide Web Day celebrated every year? |
| | A | August 6 |
| | B | August 1 |
| | C | September 1 |
| | D | July 1 |
| | E | None of the above |
| | Correct Answer | A |
| | Marks | 1 |

| | | |
|----|-----------------------------|---|
| 59 | Question Description | Which bank has launched India's first 24x7 video banking service? |
| | A | HDFC Bank |
| | B | AU Bank |
| | C | ICICI Bank |
| | D | State Bank of India |
| | E | None of the above |
| | Correct Answer | B |
| | Marks | 1 |

| | | |
|----|-----------------------------|--|
| 60 | Question Description | Which state will host the 69th edition of the Filmfare Awards in 2024? |
| | A | Goa |
| | B | Bihar |
| | C | Odisha |
| | D | Gujarat |
| | E | None of the above |
| | Correct Answer | D |
| | Marks | 1 |

| | | |
|----|-----------------------------|---|
| 61 | Question Description | When is World Chocolate Day celebrated worldwide? |
| | A | July 07 |
| | B | July 12 |
| | C | JULY 11 |
| | D | July 10 |
| | E | None of the above |
| | Correct Answer | A |
| | Marks | 1 |

| | | |
|----|-----------------------------|---|
| 62 | Question Description | What is the name of the new type of Urea launched by PM Modi during his visit to Rajasthan? |
| | A | Sulphur Urea |
| | B | Neem Urea |
| | C | Urea Gold |
| | D | Nitrogen Urea |
| | E | None of the above |
| | Correct Answer | C |
| | Marks | 1 |

| | | |
|----|-----------------------------|--|
| 63 | Question Description | Lavasa', the first private hill station of India, is located in which state? |
| | A | Bihar |
| | B | Nagaland |
| | C | Maharashtra |
| | D | Odisha |
| | E | None of the above |
| | Correct Answer | C |
| | Marks | 1 |

| | | |
|----|-----------------------------|--|
| 64 | Question Description | The Geological Survey of India (GSI) has discovered India's largest natural arch in which state? |
| | A | Jharkhand |
| | B | Odisha |
| | C | Nagaland |
| | D | Tripura |
| | E | None of the above |
| | Correct Answer | B |
| | Marks | 1 |

| | | |
|----|-----------------------------|---|
| 65 | Question Description | Which country has become the latest team to qualify for the 2024 ICC Men's T20 World Cup? |
| | A | New quaba |
| | B | silvania |
| | C | Papua New Guinea |
| | D | Singapore |
| | E | None of the above |
| | Correct Answer | C |
| | Marks | 1 |

| | | |
|----|-----------------------------|---|
| 66 | Question Description | In the word “DUTIFUL”, how many pair of letters has as many letters in between as they have in between them in English alphabet series? |
| | A | 0 |
| | B | 1 |
| | C | 2 |
| | D | 3 |
| | E | None of the above |
| | Correct Answer | C |
| | Marks | 1 |

67

Question Description

Directions: Following questions are based upon the word series given below.

DEN, RAT, EAR, OWL, CUB

If E is added in the end of the words that start with consonants and B is added in the beginning of the words that start with vowel then how many meaningful English words can be formed so?

A

2

B

5

C

3

D

4

E

None of the above

Correct Answer

D

Marks

1

68

Question Description

Directions: The below mentioned question is to be answered using the statements I and II given below. You have to determine the statement(s) which is/are sufficient to answer the question and mark the option accordingly.

If the code for 'pain' is 20 then find the code for "loss pain no gain"?

Statement I : "loss money gain nothing" is coded as 25 78 41 63 and "nothing loss no profit" is coded as 58 41 36 25.

Statement II : "gain weight no health" is coded as 21 78 36 14 and "no exercise health loss" is coded as 57 36 14 25.

A

If the data in statement I alone is sufficient to answer the question

B

If the data in statement II alone is sufficient to answer the question

C

If the data in statements I and II is necessary to answer the question

D

If the data in statements I and II is not sufficient to answer the question

E

None of the above

Correct Answer**C****Marks****1**

69

Question Description

Directions: The questions are based on five words given below:

FOX JUG BAT MIX SIT

If the second alphabet in each of the words is changed to the previous alphabet in the English alphabetical order, in how many words thus formed will an alphabet appear twice?

A

One

B

Two

C

Three

D

Four

E

None of the above

Correct Answer

E

Marks

1

70

Question Description

Select the missing number from the given alternatives:

| | | |
|----|----|----|
| 44 | 49 | 37 |
| 52 | ? | 41 |
| 58 | 35 | 53 |

A 66**B** 55**C** 77**D** 46**E** None of the above**Correct Answer** C**Marks** 1

Question Description

Directions: In each question below there are given some statements followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows/follow from the given statements, disregarding commonly known facts.

Statements:

No laptop is apple.

Not a single apple is mobile.

Every mobile is tablet.

Conclusions:

I. Some tablets which are mobiles are laptops as well.

II. Some tablets are not apples.

A

Only II follows

B

Either I or II follows

C

Both I or II follows

D

Neither I nor II follows

E

None of the above

Correct Answer

A

Marks

1

Question Description

Directions: Read the following information carefully and answer the questions given beside.

Six children are playing Hide & Seek in a park and were standing at different positions such that P is 9 m towards the north of T. Q is 4 m to the west of O, who is 12m to the east of T. U is 6 m to the south of Q. R is 3 m to the north of O. Then few of them moved and their new positions are denoted by adding (`) to their respective names. P moved 5m towards east. O moved 3 m towards the east. Q moved 5 m towards the north.

Who among the following is in north-east of U?

- I. P
- II. O
- III. R

A Only I

B Only II and III

C Only I and II

D Only III

E None of the above

Correct Answer B

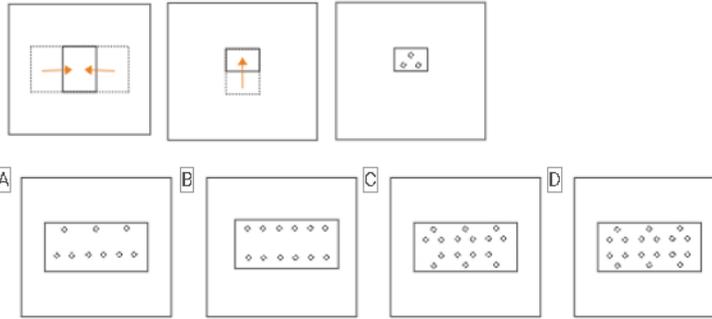
Marks 1

73

| | |
|-----------------------------|---|
| Question Description | Select the one which is different from the other three responses. |
| A | 68-25 |
| B | 71-28 |
| C | 59-43 |
| D | 51-32 |
| E | None of the above |
| Correct Answer | C |
| Marks | 1 |

Question Description

In the question, a piece of paper is folded and cut as shown below in the questions figures. From the given option figure, indicates how it will appear when opened.



A

A

B

B

C

C

D

D

E

None of the above

Correct Answer

D

Marks

1

75

Question Description

Study the following questions carefully and choose the right answer

Statement: Should private sector be permitted to operate telephone services?

Arguments:

I. Yes. They are operated in advanced western countries.

II. No. It is risky to put them in private hands.

A

Only I is strong

B

Only II is strong

C

Either I or II is strong

D

Neither I nor II is strong

E

None of the above

Correct Answer

D

Marks

1